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OM protein - protein search, using sw model

Run on: March 31, 2003, 11:46:44 ; Search time 14 seconds
(without alignments)
465.595 Million cell updates/sec

Title: US-09-652-345-6

Perfect score: 543

Sequence: 1 IILLVSDDEHGRAQRLET.....ISGNALRYAPDGIIGLIQLIN 111

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 237916 seqs, 58723674 residues

Total number of hits satisfying chosen parameters: 237916

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Published_Applications_AA:*

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3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*

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11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*

12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*

13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*

14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	538	99.1	922	9	US-09-945-901-20
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4	538	99.1	922	9	US-10-007-747-20
5	538	99.1	922	9	US-10-038-937-14
6	538	99.1	922	9	US-10-038-937-20
7	538	99.1	938	9	US-09-945-901-2
8	538	99.1	938	9	US-10-007-747-2
9	538	99.1	938	9	US-10-038-937-2
10	538	99.1	976	9	US-09-945-901-22
11	538	99.1	976	9	US-10-007-747-22
12	538	99.1	976	9	US-10-038-937-22
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ALIGNMENTS

RESULT 1
 US-09-945-901-14
 ; Sequence 14, Application US/09945901
 ; Patent No. US20020161215A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Daggett, Lorrie P.
 ; Ellis, Steven B.
 ; Liaw, Chen W.
 ; Lu, Chin-Chun
 ; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
 ; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
 ; NUMBER OF SEQUENCES: 63
 ; CORRESPONDENCE ADDRESS:

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Query Match      99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLOLIN 273

Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLYGERETISGNALRYAPDGLGLQLIN 273

RESULT 2
US-09-945-901-20
; Sequence 20, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liauw, Chen W.
;

Query Match	99.1%	Score 538:	DB 9:	Length 922:
Best Local Similarity	98.2%	Pred. No.	5.3e-50:	
Matches 109: Conservative		2: Mismatches	0:	Indels 0:
				Gaps 0:

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Db	163	I	I	L	L	V	S	D	D	H	E	G	R	A	Q	R	L	E	T <td>L</td> <td>E</td> <td>E</td> <td>R</td> <td>S</td> <td>K</td> <td>A</td> <td>E</td> <td>K</td> <td>V</td> <td>L</td> <td>Q</td> <td>F</td> <td>D</td> <td>P</td> <td>G</td> <td>T <td>K</td> <td>N</td> <td>V</td> <td>T</td> <td>A</td> <td>L</td> <td>L</td> <td>M</td> <td>E</td> <td>A</td> <td>R</td> <td>E</td> <td>A</td> <td>R</td> <td>V</td> <td>I</td> <td>L</td> <td>S</td> </td>	L	E	E	R	S	K	A	E	K	V	L	Q	F	D	P	G	T <td>K</td> <td>N</td> <td>V</td> <td>T</td> <td>A</td> <td>L</td> <td>L</td> <td>M</td> <td>E</td> <td>A</td> <td>R</td> <td>E</td> <td>A</td> <td>R</td> <td>V</td> <td>I</td> <td>L</td> <td>S</td>	K	N	V	T	A	L	L	M	E	A	R	E	A	R	V	I	L	S

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Db 223 ASEDAAATVYRAAAMLMNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

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RESULT 3
US-10-007-747-14
; Sequence 14, Application US/10007747
; Patent No. US20020161193A1

GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liauw, Chen W.
Lu, Chin-Chun

Liaw, Chen W.
Lu, Chin-Chun

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;
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-007-747-14

Query Match 99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 4
US-10-007-747-20
; Sequence 20, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
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; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-007-747-20

Query Match 99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILLVSDDEHGRAAKRLTLLERESKAEKVLQDPGKTKNVTTALLMEARELEAVIILS 60
DB 163 ILLVSDDEHGRAAKRLTLLERESKAEKVLQDPGKTKNVTTALLMEARELEAVIILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 5
US-10-038-937-14
; Sequence 14, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
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GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-945-901-22
Query Match. 99.1%; Score 538; DB 9; Length 976;
Best Local Similarity 98.2%; Pred. No. 5.7e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDFGPKNTVALLMEARELEARVILS 60
Db 163 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDFGPKNTVALLMEARELEARVILS 222
61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
RESULT 11
US-10-007-747-22
Sequence 22, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-945-901-22

CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-007-747-22
Query Match 99.1%; Score 538; DB 9; Length 976;
Best Local Similarity 98.2%; Pred. No. 5.7e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDFGPKNTVALLMEARELEARVILS 60
Db 163 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDFGPKNTVALLMEARELEARVILS 222
Qy 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
RESULT 12
US-10-038-937-22
Sequence 22, Application US/10038937
Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/038,937
FILING DATE: 18-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/935,105
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-038-937-22

Query Match 99.1%; Score 538; DB 9; Length 976;
Best Local Similarity 98.2%; Pred. No. 5.7e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IILLVSDHDEGRAAKRLLEERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLLEERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 222
Qy 61 ASEDAAATYRAAAMLMNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATYRAAAMLMNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 13
US-09-945-901-36
Sequence 36, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 943 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-945-901-36

Query Match 95.3%; Score 517.5; DB 9; Length 943;
Best Local Similarity 82.6%; Pred. No. 9.1e-48;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
Qy 1 IILLVSDHDEGRAAKRLLEERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 39
Db 163 IILLVSDHDEGRAAKRLLEERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 222
Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLMNTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLMNTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 14
US-10-007-747-36
Sequence 36, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:


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; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
;
; INFORMATION FOR SEQ ID NO: 38:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-10-038-937-38
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; Query Match 95.3%; Score 517.5; DB 9; Length 997;
; Best Local Similarity 82.6%; Pred. No. 9.8e-48;
; Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
;
; Qy 1 IILLVSDDEHGRAAKRLLEERES-----KAEKVLQDPDGT 39
; |||||
; Db 163 IILLVSDDEHGRAAKRLLEERESKSKRYENLDQLSYDNKRGPKAEKVLQDPDGT 222
; |||||
; Qy 40 KNYTALLMEAREARVILLSASEDDAATVYRAAAMLMNTGSGYVWLVGREISGNALRY 99
; |||||
; Db 223 KNYTALLMEAREARVILLSASEDDAATVYRAAAMLMNTGSGYVWLVGREISGNALRY 282
; |||||
; Qy 100 APDGIIGLQLIN 111
; |||||
; Db 283 APDGIIGLQLIN 294
; |||||
;
; RESULT 22
; US-09-945-901-32
; Sequence 32, Application US/09945901
; Patent No. US20020161215A1
;
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
;
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
;
; INFORMATION FOR SEQ ID NO: 32:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-945-901-32
;
;
; Query Match 73.7%; Score 400; DB 9; Length 854;
; Best Local Similarity 79.8%; Pred. No. 4.4e-35;
; Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
;
; Qy 1 IILLVSDDEHGRAAKRLLEERESKAEKVLQDPGKKNVTALLMEAREARVILLS 60
; |||||
; Db 163 IILLVSDDEHGRAAKRLLEERESKAEKVLQDPGKKNVTALLMEAREARVILLS 222
; |||||
; Qy 61 ASEDDAATVYRAAAMLMNTGSGYVWLVG---EREISGNALRYAPDGIIG 106
; |||||
; Db 223 ASEDDAATVYRAAAMLMNTGNTNINWKTGTLFKEKVLMS--KYA-DGVTG 268
; |||||
;
; RESULT 23
; US-10-007-747-32
; Sequence 32, Application US/10007747
; Patent No. US20020161193A1
;
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
;
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
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; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-038-937-32

Query Match 73.7%; Score 400; DB 9; Length 854;
Best Local Similarity 79.8%; Pred. No. 4.4e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

Qy 1 IILLVSDHDEGRAQKRLTLEERESKAQVLPDPGKKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAQKRLTLEERESKAQVLPDPGKKNVTALLMEARELEARVILS 222
Qy 61 ASEDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAATVYRAAAMLNMTGNTNWKTLPLFKRVLMS--KYA-DGVTVG 268

RESULT 25
US-09-945-901-30
; Sequence 30, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-945-901-30

Query Match      73.7%; Score 400; DB 9; Length 870;
Best Local Similarity 79.8%; Pred. No. 4.5e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTKNTALLMEARELEARVILS 60
   |||||
DB 163 ILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTKNTALLMEARELEARVILS 222
   |||||

QY 61 ASDDAATVYRAAAMNMTGSGVWLVG---EREISGNALRYAPDGIIG 106
   |||||
DB 223 ASDDAATVYRAAAMNMTGNTNIWKTGFLPKRVLMS--KYA-DGVTG 268
   |||||

RESULT 26
US-10-007-747-30
; Sequence 30, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-10-007-747-30

Query Match      73.7%; Score 400; DB 9; Length 870;
Best Local Similarity 79.8%; Pred. No. 4.5e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
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QY 1 ILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTKNTALLMEARELEARVILS 60
   |||||
DB 163 ILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTKNTALLMEARELEARVILS 222
   |||||

QY 61 ASDDAATVYRAAAMNMTGSGVWLVG---EREISGNALRYAPDGIIG 106
   |||||
DB 223 ASDDAATVYRAAAMNMTGNTNIWKTGFLPKRVLMS--KYA-DGVTG 268
   |||||

RESULT 27
US-10-038-937-30
; Sequence 30, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-10-038-937-30

Query Match      73.7%; Score 400; DB 9; Length 870;
Best Local Similarity 79.8%; Pred. No. 4.5e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTKNTALLMEARELEARVILS 60
   |||||
DB 163 ILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTKNTALLMEARELEARVILS 222
   |||||

QY 61 ASDDAATVYRAAAMNMTGSGVWLVG---EREISGNALRYAPDGIIG 106
   |||||
DB 223 ASDDAATVYRAAAMNMTGNTNIWKTGFLPKRVLMS--KYA-DGVTG 268
   |||||

RESULT 28
US-09-945-901-34
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Sequence 34, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 908 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-09-945-901-34
Query Match 73.7%; Score 400; DB 9; Length 908;
Best Local Similarity 79.8%; Pred. No. 4.8e-35;
Matches 87; Conservative 8; Mismatches 6; Indels 3; Gaps 3;
Qy 1 IILLVSDHDEGRAAKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 60
b 163 IILLVSDHDEGRAAKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 222
Qy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMSS--KYA-DGVTVG 268
RESULT 29
US-10-007-747-34
Sequence 34, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 23-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 908 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-10-007-747-34
Query Match 73.7%; Score 400; DB 9; Length 908;
Best Local Similarity 79.8%; Pred. No. 4.8e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
Qy 1 IILLVSDHDEGRAAKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 222
Qy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMSS--KYA-DGVTVG 268
RESULT 30
US-10-038-937-34
Sequence 34, Application US/10038937
Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/038,937
FILING DATE: 18-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/935,105
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 908 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-10-038-937-34

Query Match 73.7%; Score 400; DB 9; Length 908;
Best Local Similarity 79.8%; Pred. No. 4.8e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
QY 1 IILLVSDHGGRAAKRLTLLERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 60
DB 163 IILLVSDHGGRAAKRLTLLERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 222
QY 61 ASDDAATVYRAAAMLMNTGSGYVWLVG---EREISGNALRYAPDGIIG 106
DB 223 ASDDAATVYRAAAMLMNTGNTNIWKTGTLFVKRLVMS--KYA-DGVGTG 268

RESULT 31
US-09-945-901-16
Sequence 16, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-945-901-16
Query Match 69.9%; Score 379.5; DB 9; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.5e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;
QY 1 IILLVSDHGGRAAKRLTLLERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 39
DB 65 IILLVSDHGGRAAKRLTLLERESKAEKVLQFPDGTKNVTALLMEARELEARVILS 124
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLMNTGSGYVWLVG---EREISGNA 96
DB 125 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLMNTGNTNIWKTGTLFVKRLVMS- 183
QY 97 LRYAPDGIIG 106
DB 184 -KYA-DGVGTG 191
RESULT 32
US-10-007-747-16
Sequence 16, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-007-747-16

Query Match 69.9%; Score 379.5; DB 9; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.5e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGAAQKRLTLEERES-----KAEKVLFQDPGT 39
|||||
Db 65 IILLVSDHDEGAAQKRLTLEERESKKNRYENLDQSYDNKRGPKAEKVLFQDPGT 124
|||||
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
|||||
Db 125 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGNTNWKTPLEKRVLMSS- 183
QY 97 LRYAPDGIIG 106
:|| ||:
Db 184 -KYA-DGVTG 191

RESULT 33

US-10-038-937-16
Sequence 16, Application US/10038937
Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/038,937
FILING DATE: 18-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/935,105
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-038-937-16

Query Match 69.9%; Score 379.5; DB 9; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.5e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGAAQKRLTLEERES-----KAEKVLFQDPGT 39
|||||
Db 65 IILLVSDHDEGAAQKRLTLEERESKKNRYENLDQSYDNKRGPKAEKVLFQDPGT 124
|||||
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
|||||
Db 125 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGNTNWKTPLEKRVLMSS- 183
QY 97 LRYAPDGIIG 106
:|| ||:
Db 184 -KYA-DGVTG 191

RESULT 34

US-09-945-901-28
Sequence 28, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-945-901-28

Query Match 69.9%; Score 379.5; DB 9; Length 875;


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; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 19-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-038-937-26
;
; Query Match 69.9%; Score 379.5; DB 9; Length 891;
; Best Local Similarity 66.9%; Pred No. 7.7e-33;
; Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;
;
; Qy 1 IILLVSDHEGRAAKRLETLEERES-----KAEKVLQFDPGT 39
; Db 163 IILLVSDHEGRAAKRLETLEERESKRRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
;
; Qy 40 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVG---EREISGNA 96
; Db 223 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGNTNTIWKTPLEKRVLMSS- 281
;
; Qy 97 LRYAPDGIIG 106
; Db 282 -KYA-DGVTG 289
;
; RESULT 40
; US-09-945-901-40
; Sequence 40, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
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; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-09-945-901-40
;
; Query Match 69.9%; Score 379.5; DB 9; Length 929;
; Best Local Similarity 66.9%; Pred. No. 8.2e-33;
; Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;
;
; Qy 1 IILLVSDHEGRAAKRLETLEERES-----KAEKVLQFDPGT 39
; Db 163 IILLVSDHEGRAAKRLETLEERESKRRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
;
; Qy 40 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVG---EREISGNA 96
; Db 223 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGNTNTIWKTPLEKRVLMSS- 281
;
; Qy 97 LRYAPDGIIG 106
; Db 282 -KYA-DGVTG 289
;
; RESULT 41
; US-10-007-747-40
; Sequence 40, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-10-007-747-40

Query Match 69.9%; Score 379.5; DB 9; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.2e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGEGRAAOKRLTLEERES-----KAEKVLFQDPGT 39
Db 163 IILLVSDHGEGRAAOKRLTLEERESKKNRYENLDQLSYDNKRGPKEKVLQFDPGT 222
QY 40 KNVTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNVTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTPLEKRVLMSS- 281
QY 97 LRYAPDGIIG 106
Db 282 -KYA-DGVGTG 289

RESULT 42
US-10-038-937-40
; Sequence 40, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937

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; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0062
; TELEFAX: 619-238-0999
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-10-038-937-40

Query Match 69.9%; Score 379.5; DB 9; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.2e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGEGRAAOKRLTLEERES-----KAEKVLFQDPGT 39
Db 163 IILLVSDHGEGRAAOKRLTLEERESKKNRYENLDQLSYDNKRGPKEKVLQFDPGT 222
QY 40 KNVTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNVTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTPLEKRVLMSS- 281
QY 97 LRYAPDGIIG 106
Db 282 -KYA-DGVGTG 289

RESULT 43
US-09-945-901-58
; Sequence 58, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>

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; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1336 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
S-09-945-901-58

Query Match      18.9%; Score 102.5; DB 9; Length 1336;
Best Local Similarity 33.3%; Pred. No. 0.014;
Matches 23; Conservative 14; Mismatches 31; Indels 1; Gaps 1;

QY 33 LQFDPGKTNVTALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREI 92
| ||| | : | : : | : : | : ||| : ||||| : :
Db 221 LTLDPGA-GEAVLSAQLRSVSAQIRLLFCAREEAPVFRAAEEAGLTGSGYVWFMVGPOL 279

QY 93 SGNALRYAP 101
: | ||
Db 280 AGGGGSGAP 288

RESULT 44
US-10-007-747-58
; Sequence 58, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
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; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1336 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
US-10-007-747-58

Query Match      18.9%; Score 102.5; DB 9; Length 1336;
Best Local Similarity 33.3%; Pred. No. 0.014;
Matches 23; Conservative 14; Mismatches 31; Indels 1; Gaps 1;

QY 33 LQFDPGKTNVTALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREI 92
| ||| | : | : : | : : | : ||| : ||||| : :
Db 221 LTLDPGA-GEAVLSAQLRSVSAQIRLLFCAREEAPVFRAAEEAGLTGSGYVWFMVGPOL 279

QY 93 SGNALRYAP 101
: | ||
Db 280 AGGGGSGAP 288

RESULT 45
US-10-038-937-58
; Sequence 58, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1336 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
US-10-038-937-58

Query Match      18.9%; Score 102.5; DB 9; Length 1336;
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; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1214 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-10-038-937-54

    Query Match      15.7%; Score 85.5; DB 9; Length 1214;
    Best Local Similarity 35.7%; Pred. No. 0.89;
    Matches 20; Conservative 11; Mismatches 22; Indels 3; Gaps 2;

QY 33 LQDPGPKNV-TALLMEARELEARVILISASDDAATVYRAAAMLNTGSGYVWL 87
   :||| | | :||| | | :||| | | :||| | | :||| | |
Db 201 LEIDPGPRARTORLL--RLDAPVFVAYCSREAEVLEFAEAQAAGLVGPGHWLV 254

RESULT 49
US-09-945-901-50
; Sequence 50, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
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;
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1219 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 50:
US-09-945-901-50

    Query Match      15.7%; Score 85.5; DB 9; Length 1219;
    Best Local Similarity 35.7%; Pred. No. 0.89;
    Matches 20; Conservative 11; Mismatches 22; Indels 3; Gaps 2;

QY 33 LQDPGPKNV-TALLMEARELEARVILISASDDAATVYRAAAMLNTGSGYVWL 87
   :||| | | :||| | | :||| | | :||| | | :||| | |
Db 201 LEIDPGPRARTORLL--RLDAPVFVAYCSREAEVLEFAEAQAAGLVGPGHWLV 254

RESULT 50
US-10-007-747-50
; Sequence 50, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
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1 APPLICATION NUMBER: US/10/007,747
2 FILING DATE: 07-Dec-2001
3
4 PRIORITY APPLICATION DATA:
5 APPLICATION NUMBER: US/09/648,797
6 FILING DATE: 28-Aug-2000
7 APPLICATION NUMBER: US/08/940,086A
8 FILING DATE: 29-SEPT-97
9 APPLICATION NUMBER: US 08/231,193
10 FILING DATE: 20-APR-1994
11 APPLICATION NUMBER: US 08/052,449
12 FILING DATE: 20-APR-1993
13
14 ATTORNEY/AGENT INFORMATION:
15 NAME: Seidman, Stephanie
16 REGISTRATION NUMBER: 33,779
17 REFERENCE/DOCKET NUMBER: 24735-9383C
18
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: (619) 450-8400
21 TELEFAX: (619) 450-8499
22
23 INFORMATION FOR SEQ ID NO: 52:
24 SEQUENCE CHARACTERISTICS:
25 LENGTH: 1239 amino acids
26 TYPE: amino acid
27 TOPOLOGY: linear
28
29 MOLECULE TYPE: protein
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31 SEQUENCE DESCRIPTION: SEQ ID NO: 52:
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Sequence	Matches	Mismatches	Indels	Gaps
Sequence 1	20	11	22	3
Sequence 2	20	11	22	3
Sequence 3	20	11	22	3
Sequence 4	20	11	22	3
Sequence 5	20	11	22	3
Sequence 6	20	11	22	3
Sequence 7	20	11	22	3
Sequence 8	20	11	22	3
Sequence 9	20	11	22	3
Sequence 10	20	11	22	3
Sequence 11	20	11	22	3
Sequence 12	20	11	22	3
Sequence 13	20	11	22	3
Sequence 14	20	11	22	3
Sequence 15	20	11	22	3
Sequence 16	20	11	22	3
Sequence 17	20	11	22	3
Sequence 18	20	11	22	3
Sequence 19	20	11	22	3
Sequence 20	20	11	22	3

Best Local Similarity 35.7%; Pred. No. 0.92;
Matches 20; Conservative 11; Mismatches 22; Indels 3

GENERAL INFORMATION.

APPLICANT: Daggett, Lorrie P.


```
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1484 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-10-038-937-56

Query Match 14.9%; Score 81; DB 9; Length 1484;
Best Local Similarity 22.9%; Pred. No. 3.6;
Matches 16; Conservative 20; Mismatches 18; Indels 16; Gaps 1;

QY 18 LETLEERESKAERVLQFDPTGNVTALLMEARELEARVILSASEDDAATVYRAAAMLN 77
Db 205 LMSLDGDSKIQNL-----KKLQSPILLYCTKEATVIFEVANSVG 248
; QY 78 MTGSGYVWL 87
; Db 249 LTGYGYTIV 258
;

- RESULT 68
US-09-945-901-11
; Sequence 11, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
```

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; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1464 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-945-901-11

Query Match 14.4%; Score 78; DB 9; Length 1464;
Best Local Similarity 28.1%; Pred. No. 7.4;
Matches 18; Conservative 17; Mismatches 25; Indels 4; Gaps 2;

QY 47 MEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNA--LRVAPDG 103
Db 217 VOLKKIHSSVILLYCKDEAVILSEARSLGLTYDFWIVPSL-VSGNTELPKFFPSG 275
; QY 104 IIGL 107
; Db 276 LISV 279
;

RESULT 69
US-10-007-747-11
; Sequence 11, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1464 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
```

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;
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-007-747-11

Query Match      14.4%; Score 78; DB 9; Length 1464;
Best Local Similarity 28.1%; Pred. No. 7.4;
Matches 18; Conservative 17; Mismatches 25; Indels 4; Gaps 2;

QY 47 MEARELEARVILSASEDAATVYRAAAMLNMTGSGYVWLVGEREISGNA---LRYAPDG 103
Db 217 VOLKKIHSSVILLYGSKDAVILSEARSLGTGYDFFWIVPSL-VSGNTLIPKEFPSSG 275

QY 104 IIGL 107
Db 276 LISV 279

RESULT 70
US-10-038-937-11
; Sequence 11, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1464 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-038-937-11

Query Match      14.4%; Score 78; DB 9; Length 1464;
Best Local Similarity 28.1%; Pred. No. 7.4;
Matches 18; Conservative 17; Mismatches 25; Indels 4; Gaps 2;

QY 47 MEARELEARVILSASEDAATVYRAAAMLNMTGSGYVWLVGEREISGNA---LRYAPDG 103
Db 217 VOLKKIHSSVILLYGSKDAVILSEARSLGTGYDFFWIVPSL-VSGNTLIPKEFPSSG 275
```

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QY 104 IIGL 107
Db 276 LISV 279

RESULT 71
US-10-125-792-12
; Sequence 12, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-12

Query Match      14.0%; Score 76; DB 9; Length 850;
Best Local Similarity 26.1%; Pred. No. 5.9;
Matches 24; Conservative 19; Mismatches 43; Indels 6; Gaps 3;

QY 1 IILLVSDDHGEGRAAQRRLTLEERE---SKAEKVLFQDPGKTKNVTALLMEARELEARVI 57
Db 209 VIASDDEYGRPGIEKFEKEMEERDICIHLSELISQYFEWQ-IQGLVDRIENSSAKVI 267

QY 58 ILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 268 VVFASGPDIEPLIKEMVRRNITDR--IWLASE 297

RESULT 72
US-10-125-792-8
; Sequence 8, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 941
; TYPE: PRT
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; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/095,464
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-28
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 1
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-096-144-1

Query Match      13.9%; Score 75.5; DB 9; Length 843;
Best Local Similarity 25.0%; Pred. No. 6.6;
Matches 26; Conservative 19; Mismatches 38; Indels 21; Gaps 4;

QY 1 IILVSDDHCEGAAQKRLTLLERESKA-----EKVLQFDPGT-----KNVTAL 45
   |:||||| || ||:|:| :||| : : :
Db 209 IIVLVSDDDYGRNSH----LLSRLTKTSDICIAFQEVLPPESSQVMRSEQRQLDNI 264

QY 46 LMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVE 89
   | : | | | | : | : : | | | | : | : |
Db 265 LDKLRTSARVVVYFSPELSLSYFFHEVLRWNFT--GFVWIASE 306

RESULT 75
US-09-927-315-7
; Sequence 7, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat T1R2 sweet taste receptor
US-09-927-315-7

Query Match      13.9%; Score 75.5; DB 9; Length 843;
Best Local Similarity 25.0%; Pred. No. 6.6;
Matches 26; Conservative 19; Mismatches 38; Indels 21; Gaps 4;

QY 1 IILVSDDHCEGAAQKRLTLLERESKA-----EKVLQFDPGT-----KNVTAL 45
   |:||||| || ||:|:| :||| : : :
Db 209 IIVLVSDDDYGRNSH----LLSRLTKTSDICIAFQEVLPPESSQVMRSEQRQLDNI 264

QY 46 LMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVE 89
   | : | | | | : | : : | | | | : | : |
Db 265 LDKLRTSARVVVYFSPELSLSYFFHEVLRWNFT--GFVWIASE 306

```

```
RESULT 76
US-10-124-598-1
; Sequence 1, Application US/10124598
; Patent No. US20020119526A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Lindemeier, Juergen
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/10/124,598
; PRIOR FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/361,631
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-124-598-1

Query Match 13.9%; Score 75.5; DB 12; Length 843;
Best Local Similarity 25.0%; Pred. No. 6.6;
Matches 26; Conservative 19; Mismatches 38; Indels 21; Gaps 4;

.Qy 1 IILLVSDDDHGRNSK-----EKVLQDPGT-----KNVTAL 45
Db 209 IIVLVSDDDHGRNSH----LLSRLTKTSDICIAFQEVLPPESSQVNRSEQRQLDNI 264

Qy 46 LMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 265 LDKLRRTSARVVVFSPELSLYSFFHEVLRWNFT--GFVWIASE 306

RESULT 77
US-10-096-144-2
; Sequence 2, Application US/10096144
; Publication No. US20030022288A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/10/096,144
; PRIOR FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/361,631
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/095,464
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-28
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-096-144-2
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```
Query Match 13.5%; Score 73.5; DB 9; Length 843;
Best Local Similarity 25.2%; Pred. No. 11;
Matches 27; Conservative 15; Mismatches 38; Indels 27; Gaps 3;

Qy 1 IILLVSDDDHGR-----AAQKRLETLLLEERESKAEKVLQDPGTGNV 42
Db 209 IIVLVSDDDHGRNSHLLSRLTNTGDTICIAFQEVLPPEPNQAVRPEEQDQDLD----- 262

Qy 43 TALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 263 -NILDKLRTSARVVVFSPELSLHNFREVLWRNFT--GFVWIASE 306

RESULT 78
US-09-927-315-8
; Sequence 8, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrashekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: mouse Tlr2 sweet taste receptor
US-09-927-315-8

Query Match 13.5%; Score 73.5; DB 9; Length 843;
Best Local Similarity 25.2%; Pred. No. 11;
Matches 27; Conservative 15; Mismatches 38; Indels 27; Gaps 3;

Qy 1 IILLVSDDDHGR-----AAQKRLETLLLEERESKAEKVLQDPGTGNV 42
Db 209 IIVLVSDDDHGRNSHLLSRLTNTGDTICIAFQEVLPPEPNQAVRPEEQDQDLD----- 262

Qy 43 TALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 263 -NILDKLRTSARVVVFSPELSLHNFREVLWRNFT--GFVWIASE 306

RESULT 79
US-10-124-598-2
; Sequence 2, Application US/10124598
; Patent No. US20020119526A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/10/124,598
; CURRENT FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/361,631
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
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; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-124-598-2

Query Match      13.5%; Score 73.5; DB 12; Length 843;
Best Local Similarity 25.2%; Pred. No. 11;
Matches 27; Conservative 15; Mismatches 38; Indels 27; Gaps 3;

QY 1 IILVSDDEGR-----AAQRLETLLEERESKAQVLPDPGKTV 42
Db 209 IIVLVSDDDYGRNSHLSQLRTNTGDIQAFQVLPVPEPQAVRPEEQDLD----- 262

QY 43 TALLMEAREARVILLSASEDDAATVYRAAAMLNMTGSGVVLVGE 89
Db 263 -NILDKLRTSARVVIFSPELSUNHFFREVLRWNT--GEVWIASE 306

RESULT 80
US-09-808-880-3
; Sequence 3, Application US/09808880
; Publication No. US20030027287A1
; GENERAL INFORMATION:
; APPLICANT: Betlach, Mary C.
; APPLICANT: Shah, Sanjay Krishnakant
; APPLICANT: McDaniel, Robert
; APPLICANT: Tang, Li
; TITLE OF INVENTION: RECOMBINANT OLEANDOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 30062-20029.00
; CURRENT APPLICATION NUMBER: US/09/808,880
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: US/09/428,517
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/420,254
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/106,100
; PRIOR FILING DATE: 1998-10-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3816
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: Oleandolide PKs
US-09-808-880-3

Query Match      13.4%; Score 72.5; DB 9; Length 3816;
Best Local Similarity 29.1%; Pred. No. 1.le+02;
Matches 25; Conservative 19; Mismatches 35; Indels 7; Gaps 3;

QY 11 GRAAQKRLTLLEERESKAQVLPDPGKTVTALLMEAREARVILLSASEDDAATVY 70
Db 1025 GEATVLEVDALHPDRAAYAEALTW--PGVRGVSVFLAWEEQALAEHPVLSAGL--AASLA 1081

QY 71 RAAAMLNMTGSG----YVWLVGEREI 92
Db 1082 LAQALIDVGGSGESAPRLWLVTAEAV 1107

RESULT 81
US-09-738-626-6207
; Sequence 6207, Application US/09738626
; Publication No. US20020197605A1
```

```
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: Patent In ver. 3.0
; SEQ ID NO 6207
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6207

Query Match      12.7%; Score 69; DB 9; Length 228;
Best Local Similarity 27.4%; Pred. No. 5.9;
Matches 32; Conservative 18; Mismatches 43; Indels 24; Gaps 5;

QY 3 LLVSDDEGRRAQKRLTLLEERESKAQVLPDPGKTVTALLMEAREARV----- 56
Db 28 VLCEMDADGSHAPEQLHLLLEIEKGADLVIGSRYPGGETVN--WPAKRELLSLRGNKY 85
QY 57 --IILSASEDDAATVYRA-----AAMLNMTGSGVVLVGEREISGNALRYAPDG 103
Db 86 ISVALGAGINDMTAGYRFRFRLEHLDPEELSNAGYIFQVDV-----AFRAIKDG 136

RESULT 82
US-10-033-297-142
; Sequence 142, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Mast, Andrea L.
; APPLICANT: Brow, Mary Ann D.
; TITLE OF INVENTION: Detection of Nucleic Acids By Multiple
; Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-No. US20020187486A1-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-Jul-1999
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; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 142:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 550 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20020187486A1 Relevant
; TOPOLOGY: No. US20020187486A1 Relevant
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 142:
US-10-033-297-142

Query Match 12.7%; Score 69; DB 9; Length 550;
Best Local Similarity 22.4%; Pred. No. 19;
Matches 24; Conservative 18; Mismatches 35; Indels 30; Gaps 4;

QY 4 LVSDDEHGRAAKRLETLLEERESKAEKVLFQDPGKNTALLMEAREL----- 52
DB 97 LASSDSR-KTTEKLLKTLFKRQAIKTERIAATVTG-----QMFLESOELLRLFGIPYIOA 150
QY 53 -----EARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGN 95
DB 151 PMEAEQAAILDLTDQTSGTI-----TDDSDIWLFGARHVRN 188

RESULT 83
US-09-940-244-142
; Sequence 142, Application US/09940244
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 142
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-940-244-142

Query Match 12.7%; Score 69; DB 9; Length 550;
Best Local Similarity 22.4%; Pred. No. 19;
Matches 24; Conservative 18; Mismatches 35; Indels 30; Gaps 4;

QY 4 LVSDDEHGRAAKRLETLLEERESKAEKVLFQDPGKNTALLMEAREL----- 52
DB 97 LASSDSR-KTTEKLLKTLFKRQAIKTERIAATVTG-----QMFLESOELLRLFGIPYIOA 150
QY 53 -----EARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGN 95
DB 151 PMEAEQAAILDLTDQTSGTI-----TDDSDIWLFGARHVRN 188

RESULT 84
US-09-817-464-2
; Sequence 2, Application US/09817464
; Patent No. US20020127638A1
; GENERAL INFORMATION:
; APPLICANT: Flor, Peter J.
; APPLICANT: Kuhn, Ranier
; APPLICANT: Lindaur, Kristen
; APPLICANT: Puttner, Irene
; APPLICANT: Knopfel, Thomas
; TITLE OF INVENTION: Human Metabotropic Glutamate Receptor Subtypes (HMR4,
; FILE REFERENCE: 4-19679/A/PCT
; CURRENT APPLICATION NUMBER: US/09/817,464
; CURRENT FILING DATE: 2001-03-26
; EARLIER APPLICATION NUMBER: US/08/617,785
; EARLIER FILING DATE: 1996-03-19
; EARLIER APPLICATION NUMBER: EPO 9416553.7
; EARLIER FILING DATE: 1994-08-19
; EARLIER APPLICATION NUMBER: EPO 93810663.0
; EARLIER FILING DATE: 1993-09-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-817-464-2

Query Match 12.7%; Score 69; DB 10; Length 912;
Best Local Similarity 26.9%; Pred. No. 37;
Matches 25; Conservative 13; Mismatches 29; Indels 26; Gaps 5;

QY 10 EGRAAQKRLLETLLEE-----RESKAEKVLFQDPGKNTALLMEARELE 53
DB 227 EGSYSGSVEAFQKSRDGGVCIQSVKIPREPAG---EFD---KIIRLULETS--N 277
QY 54 ARVILSASEDDAATVYRAAAMLNMTGSGYVWL 86
DB 278 ARAVIIFANEDDIRRVLEAAARRANQTGH-FFWM 309

RESULT 85
US-10-125-792-28
; Sequence 28, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: Marical
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 1078
; TYPE: PRT
```


; ORGANISM: Homo sapiens
US-10-125-792-28

Query Match 12.6%; Score 68.5; DB 9; Length 1078;
Best Local Similarity 21.9%; Pred. No. 53;
Matches 25; Conservative 24; Mismatches 54; Indels 11; Gaps 4;

QY 4 LVSDHDEGAAKRLTLLERE---SKAEKVLFDPGTKNVTALLMEARELEARVILS 60
 :||| || |:: |||| :|| :|| :|| :|| :|| :||
Db 212 IAADDDYGRPGIEKFREAEERDIDFSELSIQYS--DEEEIQHVVVEIONSTAKVIWF 270
 :||| || |:: |||| :|| :|| :|| :|| :|| :||

QY 61 ASEDDAATVYRAAAMNMTSGYVLVGGERISGNALR-----YAPDGIIIGLQL 109
 :| | | :: |:|| :|| |:: |:: :| | |
Db 271 SSGPDLEPLIKEIVRNITCK--IWLAASEAWSSLIAMPQFYHVGGTGIFGL 322
 :| | | :: |:|| :|| |:: |:: :| | |

RESULT 86
US-09-727-205-2
Sequence 2, Application US/09727205
Patent No. US20020064813A1
GENERAL INFORMATION:
APPLICANT: ELLIS, CATHERINE E.
TITLE OF INVENTION: MONKEY CALCIUM SENSING RECEPTOR
FILE REFERENCE: GP-70665
CURRENT APPLICATION NUMBER: US/09/727,205
PRIOR FILING DATE: 2000-11-30
PRIORITY APPLICATION NUMBER: 60/168,342
PRIOR FILING DATE: 1999-12-01
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 1078
TYPE: PRT
ORGANISM: MACACA CYNOMOLGUS
US-09-727-205-2

Query Match 12.6%; Score 68.5; DB 10; Length 1078;
Best Local Similarity 21.9%; Pred. No. 53;
Matches 25; Conservative 24; Mismatches 54; Indels 11; Gaps 4;

QY 4 LVSDHDEGAAKRLTLLERE---SKAEKVLFDPGTKNVTALLMEARELEARVILS 60
 :||| || |:: |||| :|| :|| :|| :|| :|| :||
Db 212 IAADDDYGRPGIEKFREAEERDIDFSELSIQYS--DEEEIQHVVVEIONSTAKVIWF 270
 :||| || |:: |||| :|| :|| :|| :|| :|| :||

QY 61 ASEDDAATVYRAAAMNMTSGYVLVGGERISGNALR-----YAPDGIIIGLQL 109
 :| | | :: |:|| :|| |:: |:: :| | |
Db 271 SSGPDLEPLIKEIVRNITCK--IWLAASEAWSSLIAMPQFYHVGGTGIFGL 322
 :| | | :: |:|| :|| |:: |:: :| | |

RESULT 87
US-10-002-854-2
Sequence 2, Application US/10002854
Patent No. US20020132224A1
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Poznansky, Mark C.
APPLICANT: Olszak, Ivona T.
APPLICANT: Brown, Edward M.
TITLE OF INVENTION: THE CAR RECEPTOR AS A MEDIATOR OF
MIGRATION AND/OR CHEMOKINESIS
FILE REFERENCE: W0765/7038/ERG/KA
CURRENT APPLICATION NUMBER: US/10/002,854
CURRENT FILING DATE: 2001-11-01
PRIOR APPLICATION NUMBER: PCT/US00/15440
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 1078
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: PEPTIDE
NAME/KEY: PEPTIDE

```

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12266
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-815-242-12266

Query Match          12.4%; Score 67.5; DB 10; Length 869;
Best Local Similarity 23.2%; Pred. No. 51;
Matches 26; Conservative 17; Mismatches 40; Indels 29; Gaps 3;

; 23 EERSKAEKVLQF-----DPGTKNVNTALLMEAREL-----EARVILSASE 63
; | | | | | | | | | | | | | | | | | | | | | | | | | | | |
; 8 ENRSGKEQEVAIMDALADGKKALEALSKSQEIDHIVHQMSLAAVDQHMVLAKLAHE 67
; | | | | | | | | | | | | | | | | | | | | | | | | | | | |

; 64 DDAATVYRAAAMLNWTSQYVW-----LYGERISGNALRYAPDGI 105
; : : : : : | | | | | | | | | | | | | | | | | | | | | |
; 68 ETRGRIVEDRAIKNLAYSEYIWNISIKDNKTVGIIIGEDKRGLTYYVAEPGVI 119
; : : : : : | | | | | | | | | | | | | | | | | | | | | |

* RESULT 90
US-09-738-626-6494
; Sequence 6494, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAT, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IREDA, MASATO
; APPLICANT: OKADA, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 6494
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6494

Query Match          12.4%; Score 67.5; DB 9; Length 925;
Best Local Similarity 26.08; Pred. No. 55;
Matches 20; Conservative 16; Mismatches 26; Indels 15; Gaps 4;

; 37 PGTK-----NVTALLMEAREL-EARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG 90
; | | | | | | | | | | | | | | | | | | | | | | | | | | | |

```

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Db 543 PGTTLSPILNTRITITQRDMPQLPASVRFTADEVDVTV-----DIPITGPKVWIAPGT 597
QY 91 EISGNALRYAPDGIIGL 107
; : | | | | | | | | | |
Db 598 QLSG-----VLPDGV DGI 610

RESULT 91
US-10-033-297-144
; Sequence 144, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; Lyamichev, Victor I.
; Mast, Andrea L.
; Brow, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic-Acids By Multiple
; Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-NO. US20020187486A1-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-Jul-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 144:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 527 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20020187486A1 Relevant
; TOPOLOGY: No. US20020187486A1 Relevant
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 144:
US-10-033-297-144

Query Match          12.2%; Score 66.5; DB 9; Length 527;
Best Local Similarity 22.9%; Pred. No. 33;
Matches 22; Conservative 16; Mismatches 29; Indels 29; Gaps 3;

```

Qy	15	OKLETLLEERESKA	EKVLFQDPG	TKNVTALL	MEAREL	-----	---E	ARVIL	59
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
Db	107	EKULFLKQA	LKRIAT	VTG	-----	OMCLES	ELLQ	LGPYIV	APMAEAQCALL
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
Qy	60	SASEDDAAT	YRAAAM	LNMTG	SGYVWL	VGEREIS	GN	95	
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
Db	162	DLTDQ	TSGIT	-----	TDSDI	WLFGAR	HYKN	188	
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:
		:	:	:	:	:	:	:	:

```

RESULT 92
US-09-940-244-144
; Sequence 144, Application US/09940244
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 144
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-940-244-144

```

```

1  RESULT 93
2  US-10-033-297-143
3  ; Sequence 143, Application US/10033297
4  ; Publication No. US20020187486A1
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Hall, Jeff G.
7  ;     Lyamichev, Victor I.
8  ;     Mast, Andrea L.
9  ;     Brow, Mary Ann D.
10 ;
11 ; TITLE OF INVENTION: Detection Of Nucleic Acids By Multiple
12 ; Sequential Invasive Cleavages
13 ;
14 ; NUMBER OF SEQUENCES: 163
15 ; CORRESPONDENCE ADDRESS:
16 ;     ADDRESSEE: Medlen & Carroll, LLP
17 ;     STREET: 220 Montgomery Street, Suite 2200
18 ;     CITY: San Francisco
19 ;     STATE: California
20 ;     COUNTRY: United States Of America
21 ;     ZIP: 94104
22 ;
23 ; COMPUTER READABLE FORM:
24 ;     MEDIUM TYPE: Floppy disk
25 ;     COMPUTER: IBM PC compatible
26 ;     OPERATING SYSTEM: PC-DOS/MS-DOS
27 ;     SOFTWARE: PatentIn Release #1.0, Version #1.30
28 ;
29 ; CURRENT APPLICATION DATA:
30 ;     APPLICATION NUMBER: US/10/033,297
31 ;     FILING DATE: 12-No. US20020187486A1-2001
32 ;     CLASSIFICATION: <Unknown>
33 ;
34 ; PRIOR APPLICATION DATA:
35 ;     APPLICATION NUMBER: US/09/350,597

```

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; FILING DATE: 09-Jul-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingollia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 143:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 543 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20020187486A1 Relevant
; TOPOLOGY: No. US20020187486A1 Relevant
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 143:
US-10-033-297-143

Query Match 12.2%; Score 66.5; DB 9; Length 543;
Best Local Similarity 21.0%; Pred. No. 35;
Matches 21; Conservative 20; Mismatches 28; Indels 31; Gaps 4;

QY 12 RAAQKRLETLLEESKAEKVLQFDPGTKNVA-LLMEAREL-----EAR 55
: : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 104 KTYEKLKLTFLKQALKTDRI-----AASVTQGMFLESQELLRLFGVPYIQAPMEAAQ 157
: : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 56 VTILSASEDDAAIVYRAAAMLNMTGSGYVWLGVGEREISGN 95
: : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 158 CAVLDLSDQTSQSGRI-----TDDSDILWLFGARHYKN 188
: : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 94
US-09-940-244-143
; Sequence 143, Application US/09940244
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 143
; LENGTH: 543
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-940-244-143

```

```

Query Match      12.2%; Score 66.5; DB 9; Length 543;
Best Local Similarity 21.0%; Pred. No. 35;
Matches 21; Conservative 20; Mismatches 28; Indels 31; Gaps 4;

QY 12 RAQAQRLETLEERESKAERKVLQFDPGTKNVTAL-LMEAREL-----EAR 55
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||:
Db 104 KTFEKLKLTFLKRAALKTKTDRI-----AASVTGMPLESOELLRLFGVPYIOAPMBAEAO 157
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||:

```


RESULT 98

US-09-815-242-11531
; Sequence 11531, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11531
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-815-242-11531

Query Match 11.9%; Score 64.5; DB 10; Length 318;
Best Local Similarity 26.6%; Pred. No. 28;
Matches 21; Conservative 18; Mismatches 29; Indels 11; Gaps 3;

QY 21 LLEERSKAEKVLFQDPGCTKNVNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTG 80
DB 198 IVDKREKANE-----SEVMNIIGSAKERD--VILVDDMIDTAGTICKAALALKEQG 247

QY 81 SGYVWLVGEREI-SGNALR 98
DB 248 ATSVNALGTHAVLSGNAIK 266

RESULT 99

US-09-815-242-11546
; Sequence 11546, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11546
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-815-242-11546

Query Match 11.9%; Score 64.5; DB 10; Length 519;
Best Local Similarity 26.8%; Pred. No. 54;
Matches 26; Conservative 22; Mismatches 34; Indels 15; Gaps 5;
QY 23 EERESKAEKVLFQDPGCTKN--VTALLMEARELEARV-----IILSASEDDAATVYRAAA 74
DB 175 ELEASAIENLLQ---TKSEIITPLAFQ-RSLEKKAKKQIKKVLVPESEDE--RILKAAH 227
QY 75 MLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
DB 228 RLNLGAVGLILLGDKKEAINSQAQNLNLNLENVEIIN 264

RESULT 100

US-09-771-161A-224
; Sequence 224, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 224
; LENGTH: 1175
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-224

Query Match 11.9%; Score 64.5; DB 10; Length 1175;
Best Local Similarity 26.5%; Pred. No. 1.6e+02;
Matches 30; Conservative 15; Mismatches 33; Indels 35; Gaps 5;
QY 6 SDDHEGRAQKRLETLLEERESKAEKVLFQDP-GTKNVNTALLMEARELE-----ARVIL 59
DB 642 SSKSEGPSQ-RLENAVKKPKDKEVRLPKPAGEVDLTALAKELRAVEDVRPHKVTDY 700
QY 60 SASDDAATV-----YRAAALNNMTGSGYVWLVGERE 91
DB 701 SSSSESGTTDEDDDDVEQEGADESTGPDYRAASSLNLSN-----GETE 746

Search completed: March 31, 2003, 11:51:03
Job time : 30 secs

GenCore version 5.1.4.p5.4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 31, 2003, 11:39:29 ; Search time 15 Seconds
(without alignments)
217.730 Million cell updates/sec

Title: US-09-652-345-6

Perfect score: 543

Sequence: 1 IILLVSDHGGRAAQRLET.....ISGNALRYAPDGIIGLQLIN 111

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Issued_Patents_AA.*

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3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*

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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	540	99.4	920	1	US-08-026-138E-9
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3	538	99.1	885	4	US-08-264-578-11
4	538	99.1	922	2	US-08-231-193A-14
5	538	99.1	922	2	US-08-231-193A-20
6	538	99.1	922	2	US-08-486-273A-14
7	538	99.1	922	2	US-08-486-273A-20
8	538	99.1	922	3	US-08-480-474-14
9	538	99.1	922	3	US-08-480-474-20
10	538	99.1	922	3	US-08-940-086A-14
11	538	99.1	922	3	US-08-940-086A-20
12	538	99.1	922	4	US-08-940-035A-14
13	538	99.1	922	4	US-08-940-035A-20
14	538	99.1	922	4	US-08-935-105A-14
15	538	99.1	922	4	US-08-935-105A-20
16	538	99.1	922	4	US-09-648-797-14
17	538	99.1	922	4	US-09-648-797-20
18	538	99.1	938	2	US-08-231-193A-2
19	538	99.1	938	2	US-08-486-273A-2
20	538	99.1	938	3	US-08-480-474-2
21	538	99.1	938	3	US-08-940-086A-2
22	538	99.1	938	4	US-08-940-035A-2
23	538	99.1	938	4	US-08-935-105A-2
24	538	99.1	938	4	US-09-648-797-2
25	538	99.1	976	2	US-08-231-193A-22
26	538	99.1	976	2	US-08-486-273A-22
27	538	99.1	976	3	US-08-480-474-22

28	538	99.1	976	3	US-08-940-086A-22
29	538	99.1	976	4	US-08-940-035A-22
30	538	99.1	976	4	US-08-935-105A-22
31	538	99.1	976	4	US-09-648-797-22
32	532	98.0	863	4	US-08-436-332B-2
33	517.5	95.3	943	2	US-08-231-193A-36
34	517.5	95.3	943	2	US-08-486-273A-36
35	517.5	95.3	943	3	US-08-480-474-36
36	517.5	95.3	943	3	US-08-940-086A-36
37	517.5	95.3	943	4	US-08-940-035A-36
38	517.5	95.3	943	4	US-08-935-105A-36
39	517.5	95.3	943	4	US-09-648-797-36
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41	517.5	95.3	959	2	US-08-486-273A-24
42	517.5	95.3	959	3	US-08-480-474-24
43	517.5	95.3	959	3	US-08-940-086A-24
44	517.5	95.3	959	4	US-08-940-035A-24
45	517.5	95.3	959	4	US-08-935-105A-24
46	517.5	95.3	959	4	US-09-648-797-24
47	517.5	95.3	997	2	US-08-231-193A-38
48	517.5	95.3	997	2	US-08-486-273A-38
49	517.5	95.3	997	3	US-08-480-474-38
50	517.5	95.3	997	3	US-08-940-086A-38
51	517.5	95.3	997	4	US-08-940-035A-38
52	517.5	95.3	997	4	US-08-935-105A-38
53	517.5	95.3	997	4	US-09-648-797-38
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55	400	73.7	854	2	US-08-486-273A-32
56	400	73.7	854	3	US-08-480-474-32
57	400	73.7	854	3	US-08-940-086A-32
58	400	73.7	854	4	US-08-940-035A-32
59	400	73.7	854	4	US-08-935-105A-32
60	400	73.7	854	4	US-09-648-797-32
61	400	73.7	870	2	US-08-231-193A-30
62	400	73.7	870	2	US-08-486-273A-30
63	400	73.7	870	3	US-08-480-474-30
64	400	73.7	870	3	US-08-940-086A-30
65	400	73.7	870	4	US-08-940-035A-30
66	400	73.7	870	4	US-08-935-105A-30
67	400	73.7	870	4	US-09-648-797-30
68	400	73.7	908	2	US-08-231-193A-34
69	400	73.7	908	2	US-08-486-273A-34
70	400	73.7	908	3	US-08-480-474-34
71	400	73.7	908	3	US-08-940-086A-34
72	400	73.7	908	4	US-08-940-035A-34
73	400	73.7	908	4	US-08-935-105A-34
74	400	73.7	908	4	US-09-648-797-34
75	379.5	69.9	777	2	US-08-231-193A-16
76	379.5	69.9	777	2	US-08-486-273A-16
77	379.5	69.9	777	3	US-08-480-474-16
78	379.5	69.9	777	3	US-08-940-086A-16
79	379.5	69.9	777	4	US-08-940-035A-16
80	379.5	69.9	777	4	US-08-935-105A-16
81	379.5	69.9	777	4	US-09-648-797-16
82	379.5	69.9	875	2	US-08-231-193A-28
83	379.5	69.9	875	2	US-08-486-273A-28
84	379.5	69.9	875	3	US-08-480-474-28
85	379.5	69.9	875	3	US-08-940-086A-28
86	379.5	69.9	875	4	US-08-940-035A-28
87	379.5	69.9	875	4	US-08-935-105A-28
88	379.5	69.9	875	4	US-09-648-797-28
89	379.5	69.9	891	2	US-08-231-193A-26
90	379.5	69.9	891	2	US-08-486-273A-26
91	379.5	69.9	891	3	US-08-480-474-26
92	379.5	69.9	891	3	US-08-940-086A-26
93	379.5	69.9	891	4	US-08-940-035A-26
94	379.5	69.9	891	4	US-08-935-105A-26
95	379.5	69.9	891	4	US-09-648-797-26
96	379.5	69.9	929	2	US-08-231-193A-40
97	379.5	69.9	929	2	US-08-486-273A-40
98	379.5	69.9	929	3	US-08-480-474-40
99	379.5	69.9	929	3	US-08-940-086A-40
100	379.5	69.9	929	4	US-08-940-035A-40

ALIGNMENTS

RESULT 1

US-08-026-138E-9
; Sequence 9, Application US/08026138E
; Patent No. 5502166
; GENERAL INFORMATION:
; APPLICANT: Masayoshi MISHINA
; TITLE OF INVENTION: NOVEL PROTEINS AND GENES CODING THE SAME
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nishiohata Residence 1-107
; STREET: 5214, Nishiohata-machi
; CITY: Niigata-shi
; STATE: Niigata-ken
; COUNTRY: JAPAN
; ZIP: 951

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS v.5
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/026,138E
; FILING DATE: 26-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 39563/1992
; FILING DATE: 26-FEB-1992
; APPLICATION NUMBER: JP 173155/1992
; FILING DATE: 30-JUN-1992
; APPLICATION NUMBER: JP 215017/1992
; FILING DATE: 12-AUG-1992
; APPLICATION NUMBER: JP 303878/1992
; FILING DATE: 13-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Hamburg, C.Bruce
; REGISTRATION NUMBER: 22,389
; REFERENCE/DOCKET NUMBER: F-4551

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 986-2340
; TELEFAX: (212) 953-7733
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 920 amino acids
; TYPE: amino acid
; STRANDEDNESS: single strand
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: mouse
; TISSUE TYPE: brain
; PUBLICATION INFORMATION:
; AUTHORS: Masayoshi MISHINA
; TITLE: NOVEL PROTEINS AND GENES CODING THE SAME
; RELEVANT RESIDUES IN SEQ ID NO: 9: FROM 1 TO 920

Query Match 99.4%; Score 540; DB 1; Length 920;
Best Local Similarity 99.1%; Pred. No. 1.9e-57;
Matches 110; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARLEARVILS 60
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DB 145 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARLEARVILS 204
|||||
QY 61 ASEDDAATVYRAAAMLNTGSGYVWLVGERISGNALRYAPDGIIGIQLIN 111
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DB 205 ASEDDAATVYRAAAMLNTGSGYVWLVGERISGNALRYAPDGIIGIQLIN 255
|||||

RESULT 2

US-08-026-138E-10
; Sequence 10, Application US/08026138E
; Patent No. 5502166
; GENERAL INFORMATION:
; APPLICANT: Masayoshi MISHINA
; TITLE OF INVENTION: NOVEL PROTEINS AND GENES CODING THE SAME
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nishiohata Residence 1-107
; STREET: 5214, Nishiohata-machi
; CITY: Niigata-shi
; STATE: Niigata-ken
; COUNTRY: JAPAN
; ZIP: 951

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS v.5
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/026,138E
; FILING DATE: 26-FEB-1993

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 39563/1992
; FILING DATE: 26-FEB-1992
; APPLICATION NUMBER: JP 173155/1992
; FILING DATE: 30-JUN-1992
; APPLICATION NUMBER: JP 215017/1992
; FILING DATE: 12-AUG-1992
; APPLICATION NUMBER: JP 303878/1992
; FILING DATE: 13-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Hamburg, C.Bruce
; REGISTRATION NUMBER: 22,389
; REFERENCE/DOCKET NUMBER: F-4551

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 986-2340
; TELEFAX: (212) 953-7733
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 920 amino acids
; TYPE: amino acid
; STRANDEDNESS: single strand
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: mouse
; TISSUE TYPE: brain
; PUBLICATION INFORMATION:
; AUTHORS: Masayoshi MISHINA
; TITLE: NOVEL PROTEINS AND GENES CODING THE SAME
; RELEVANT RESIDUES IN SEQ ID NO: 10: FROM 1 TO 920

Query Match 99.4%; Score 540; DB 1; Length 920;
Best Local Similarity 99.1%; Pred. No. 1.9e-57;
Matches 110; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARLEARVILS 60
|||||
DB 145 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARLEARVILS 204
|||||
QY 61 ASEDDAATVYRAAAMLNTGSGYVWLVGERISGNALRYAPDGIIGIQLIN 111
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DB 205 ASEDDAATVYRAAAMLNTGSGYVWLVGERISGNALRYAPDGIIGIQLIN 255
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RESULT 3

US-08-264-578-11
; Sequence 11, Application US/08264578
; Patent No. 6391566
; GENERAL INFORMATION:

APPLICANT: FOLDES, Robert L.
APPLICANT: ADAMS, Sally-Lin
APPLICANT: RAMBOJ, Rajender
APPLICANT: DUNCAN, H. Scott
TITLE OF INVENTION: Modulatory Proteins of Human CNS
TITLE OF INVENTION: Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20007-5109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/264,578
FILING DATE: 23-JUN-1994
CLASSIFICATION: 436

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/987,953
FILING DATE: 11-DEC-1992

ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 16777/261/ALLE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136

INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 885 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-264-578-11

Query Match 99.1%; Score 538; DB 4; Length 885;
Best Local Similarity 98.2%; Pred. No. 3.le-57;

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVDDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEARVILS 60
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DB 163 IILLVDDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
|||||

DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 4.

US-08-231-193A-14
Sequence 14, Application US/08231193A

Patent No. 5849895

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.

APPLICANT: Ellis, Steven B.

APPLICANT: Liaw, Chen W.

APPLICANT: Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: CA

COUNTRY: U.S.A.

ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383

TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 922 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-231-193A-14

Query Match 99.1%; Score 538; DB 2; Length 922;

Best Local Similarity 98.2%; Pred. No. 3.3e-57;

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVDDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEARVILS 60
|||||

DB 163 IILLVDDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
|||||

DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 5

US-08-231-193A-20

Sequence 20, Application US/08231193A

Patent No. 5849895

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.

APPLICANT: Ellis, Steven B.

APPLICANT: Liaw, Chen W.

APPLICANT: Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: CA

COUNTRY: U.S.A.

ZIP: 92101-2926

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/231,193A

FILING DATE: 20-APR-1994

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/052,459

FILING DATE: 20-APR-1993

CLASSIFICATION: 536

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US-08-486-273A-14
Query Match          99.1%; Score 538; DB 2; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 IILVSDDHGCGRAAQKRLTLLERESKAEKVLQDPDGTGNVTALLMEARELEARVILS 60
         |||
Db      163 IILVSDDHGCGRAAQKRLTLLERESKAEKVLQDPDGTGNVTALLMEAKELEARVILS 222
         |||

Qy      61 ASEDAATVYRAAAAMLNNTGGSYVMLVGEREISGNALRYAPDGIIIGLQLIN 111
         |||
Db      223 ASEDAATVYRAAAAMLNNTGGSYVMLVGEREISGNALRYAPDGIIIGLQLIN 273
         |||

RESULT 7
US-08-486-273A-20
; Sequence 20 Application US/08486273A
; Patent No. 598586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-20

Query Match          99.1%; Score 538; DB 2; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 IILVSDDHGCGRAAQKRLTLLERESKAEKVLQDPDGTGNVTALLMEARELEARVILS 60
         |||
Db      163 IILVSDDHGCGRAAQKRLTLLERESKAEKVLQDPDGTGNVTALLMEAKELEARVILS 222
         |||

Qy      61 ASEDAATVYRAAAAMLNNTGGSYVMLVGEREISGNALRYAPDGIIIGLQLIN 111
         |||
Db      223 ASEDAATVYRAAAAMLNNTGGSYVMLVGEREISGNALRYAPDGIIIGLQLIN 273
         |||
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RESULT 8
US-08-480-474-14
; Sequence 14, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-14

Query Match          99.1%; Score 538; DB 3; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ILLVSDHGGRAAQKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 60
   |||
Db 163 ILLVSDHGGRAAQKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 222

Qy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||
Db 223 ASEDAAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 9
US-08-480-474-20
; Sequence 20, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
```

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; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-20

Query Match          99.1%; Score 538; DB 3; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ILLVSDHGGRAAQKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 60
   |||
Db 163 ILLVSDHGGRAAQKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 222

Qy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||
Db 223 ASEDAAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 10
US-08-940-086A-14
; Sequence 14, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
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APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 922 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-14

Query Match 99.1%; Score 538; DB 3; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEAREARVILLS 60
DB 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEAREARVILLS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 11

US-08-940-086A-20
Sequence 20, Application US/08940086A
Patent No. 6111091

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe

STREET: 4250 Executive Square, 7th Floor

CITY: La Jolla

STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/940,086A

FILING DATE: 29-SEPT-97

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/231,193

FILING DATE: 20-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24735-9383C

TELEPHONE: (619) 450-8400

TELEFAX: (619) 450-8499

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:

LENGTH: 922 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-20

Query Match 99.1%; Score 538; DB 3; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEAREARVILLS 60
DB 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEAREARVILLS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 12

US-08-940-035A-14

Sequence 14, Application US/08940035A

Patent No. 6316611

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.

APPLICANT: Ellis, Steven B.

APPLICANT: Liaw, Chen W.

APPLICANT: Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe

STREET: 4250 Executive Square, 7th Floor

CITY: La Jolla

STATE: CA

COUNTRY: U.S.A.

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/940,035A

FILING DATE: 29-SEPT-97

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/231,193

FILING DATE: 20-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 6362-9383E

TELEPHONE: 619-238-0999

TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 922 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-940-035A-14

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEAREARVILLS 60

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Db 163 ILLVSDDHGKRAQKRLTLEERESKAEKVLQDFDPTGKNTVALLMEARELEAVIILS 222
Qy 61 ASDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 13
US-08-940-035A-20
; Sequence 20, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940, 035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0062
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-035A-20

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ILLVSDDHGKRAQKRLTLEERESKAEKVLQDFDPTGKNTVALLMEARELEAVIILS 60
Db 163 ILLVSDDHGKRAQKRLTLEERESKAEKVLQDFDPTGKNTVALLMEARELEAVIILS 222
Qy 61 ASDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 14
US-08-935-105A-14
; Sequence 14, Application US/08935105A
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; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-935-105A-14

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ILLVSDDHGKRAQKRLTLEERESKAEKVLQDFDPTGKNTVALLMEARELEAVIILS 60
Db 163 ILLVSDDHGKRAQKRLTLEERESKAEKVLQDFDPTGKNTVALLMEARELEAVIILS 222
Qy 61 ASDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 15
US-08-935-105A-20
; Sequence 20, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
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ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,105A
FILING DATE: 29-SEPT-97
PRIORITY DATE: 20-APR-1993
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIORITY DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 922 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-935-105A-20

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHDEGAAKRLTLLERESKAEKVLQDPGKNTVALLMEARELEAVIILS 60
|||||
DB 163 IILLVSDHDEGAAKRLTLLERESKAEKVLQDPGKNTVALLMEARELEAVIILS 222
|||||
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
|||||
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273
|||||

RESULT 16
US-09-648-797-14
Sequence 14, Application US/09648797
Patent No. 6469142
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Lliao, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
PRIOR APPLICATION NUMBER: US/08/940,086A

FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 922 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-648-797-14

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHDEGAAKRLTLLERESKAEKVLQDPGKNTVALLMEARELEAVIILS 60
|||||
DB 163 IILLVSDHDEGAAKRLTLLERESKAEKVLQDPGKNTVALLMEARELEAVIILS 222
|||||
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
|||||
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273
|||||

RESULT 17
US-09-648-797-20
Sequence 20, Application US/09648797
Patent No. 6469142
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Lliao, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
PRIOR APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:

```

; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-648-797-20

Query Match          99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTVNTALLMEARELEAVIILS 60
   |||||||
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTVNTALLMEARELEAVIILS 222
   |||||||

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 18
US-08-231-193A-2
; Sequence 2, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-231-193A-2

Query Match          99.1%; Score 538; DB 2; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTVNTALLMEARELEAVIILS 60
   |||||||
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTVNTALLMEARELEAVIILS 222
   |||||||

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 19
US-08-486-273A-2
; Sequence 2, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-2

Query Match          99.1%; Score 538; DB 2; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTVNTALLMEARELEAVIILS 60
   |||||||
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTVNTALLMEARELEAVIILS 222
   |||||||

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 20
US-08-480-474-2
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; Sequence 2, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-2

Query Match 99.1%; Score 538; DB 3; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTALLMEARELEARVILS 60
Db 163 IILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTALLMEARELEARVILS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 21
US-08-940-086A-2
; Sequence 2, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-2

Query Match 99.1%; Score 538; DB 3; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTALLMEARELEARVILS 60
Db 163 IILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTALLMEARELEARVILS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 22
US-08-940-035A-2
; Sequence 2, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-2

Query Match 99.1%; Score 538; DB 3; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTALLMEARELEARVILS 60
Db 163 IILLVSDHGGRAAKRLETLLEERESKAEKVLQDPGKNTALLMEARELEARVILS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 22
US-08-940-035A-2
; Sequence 2, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEARVILS 60
   |||||||
Db 163 IILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEARVILS 222
   |||||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 23
US-08-935-105A-2
; Sequence 2, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-08-940-035A-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEARVILS 60
   |||||||
Db 163 IILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEARVILS 222
   |||||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 24
US-09-648-797-2
; Sequence 2, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-648-797-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-935-105A-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEARVILS 60
   |||||||
Db 163 IILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEARVILS 222
   |||||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 24
US-09-648-797-2
; Sequence 2, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-648-797-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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QY 1 IILLVSDDEGAAKRLTLLERESKAEKVLQDFPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEGAAKRLTLLERESKAEKVLQDFPGTKNVTALLMEARELEAVIILS 222
QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 25
US-08-231-193A-22
; Sequence 22, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-22

Query Match 99.1%; Score 538; DB 2; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEGAAKRLTLLERESKAEKVLQDFPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEGAAKRLTLLERESKAEKVLQDFPGTKNVTALLMEARELEAVIILS 222
QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 26
US-08-486-273A-22
; Sequence 22, Application US/08486273A
; Patent No. 5985586

; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-22

Query Match 99.1%; Score 538; DB 2; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEGAAKRLTLLERESKAEKVLQDFPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEGAAKRLTLLERESKAEKVLQDFPGTKNVTALLMEARELEAVIILS 222
QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 27
US-08-480-474-22
; Sequence 22, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA

COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,474
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9382B
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-474-22

Query Match 99.1%; Score 538; DB 3; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVDDHGGRAAKRLETLLEERESKAQKVLQFDPGKNTVALLMEARELEARVILS 60
|||||
Db 163 IILLVDDHGGRAAKRLETLLEERESKAQKVLQFDPGKNTVALLMEARELEARVILS 222
|||||

QY 61 ASEDAAATVYRAAAMLMNTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
|||||
Db 223 ASEDAAATVYRAAAMLMNTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273
|||||

RESULT 28
US-08-940-086A-22
; Sequence 22, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-22

Query Match 99.1%; Score 538; DB 3; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVDDHGGRAAKRLETLLEERESKAQKVLQFDPGKNTVALLMEARELEARVILS 60
|||||
Db 163 IILLVDDHGGRAAKRLETLLEERESKAQKVLQFDPGKNTVALLMEARELEARVILS 222
|||||

QY 61 ASEDAAATVYRAAAMLMNTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
|||||
Db 223 ASEDAAATVYRAAAMLMNTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273
|||||

RESULT 29
US-08-940-035A-22
; Sequence 22, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid

RESULT 32
US-08-436-332B-2
; Sequence 2, Application US/08436332B
; Patent No. 6130058
; GENERAL INFORMATION:
; APPLICANT: LE BOURDELLES BEATRICE

```

; APPLICANT: MYERS, BEATRICE
; APPLICANT: WHITING, PAUL JOHN
; TITLE OF INVENTION: STABLY TRANSFECTED CELL LINE EXPRESSING
; TITLE OF INVENTION: NMDA RECEPTORS, AND NOVEL CLONED NMDA
; TITLE OF INVENTION: RECEPTOR SUBUNIT SEQUENCES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MICHAEL D. YABLONSKY - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVE., - P.O. BOX 2000
; CITY: RAHWAY
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,332B
; FILING DATE: 10-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: YABLONSKY, MICHAEL D.
; REGISTRATION NUMBER: 40,407
; REFERENCE/DOCKET NUMBER: T1210Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-4678
; TELEFAX: 732-594-4720
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 863 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-436-332B-2

Query Match          98.0%; Score 532; DB 4; Length 863;
Best Local Similarity 97.3%; Pred. No. 1.6e-56;
Matches 108; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 IILLVSDHDEGRAAKRLTYLLERESKAEKVLQFDPGTKNVNTALLMEARLEAVILS 60
         |||||||
Db       163 IILLVSDHDEGRAAKRLTLLERESKAEKVLQFDPGTKNVNTALLMEARLEAVILS 222
         |||||||

QY      61 ASDDAATVYRAAAAMLNTGSGYWLVCEREISGNALRYAPDGIIGLOLIN 111
         |||||||
Db       223 ASDDAATVYRAAAAMLNTGSGYWLVCEREISGNALRYAPDGIIGLOLIN 273
         |||||||

RESULT 33
US-08-231-193A-36
; Sequence 36, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

```

```
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-36

Query Match          95.3%; Score 517.5; DB 2; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVDDHEGRAAKRLETLLEERES-----KAQKVLQFDPGT 39
Db 163 IILLVDDHEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKRAEKVLQFDPGT 222
QY 40 KNTALLMEARELEARVILISASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTALLMEARELEARVILISASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

; RESULT 35
US-08-480-474-36
; Sequence 36, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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; MOLECULE TYPE: protein
US-08-480-474-36

Query Match          95.3%; Score 517.5; DB 3; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVDDHEGRAAKRLETLLEERES-----KAQKVLQFDPGT 39
Db 163 IILLVDDHEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKRAEKVLQFDPGT 222
QY 40 KNTALLMEARELEARVILISASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTALLMEARELEARVILISASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

; RESULT 36
US-08-940-086A-36
; Sequence 36, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-086A-36

Query Match          95.3%; Score 517.5; DB 3; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
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QY 100 APDGIIIGLQLIN 111
 |1111:11111
 Db 283 APDGILGLQLIN 294

RESULT 38
 US-08-935-105A-36
 ; Sequence 36, Application US/08935105A
 ; Patent No. 6378660
 ; GENERAL INFORMATION:
 ; APPLICANT: Daqgett, Lorrie P.

APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037

```
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/935,105A  
FILING DATE: 29-SEPT-97
```

```

/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/
/ NAME: Seidman, Stephanie
/ REGISTRATION NUMBER: 33,779
/ REFERENCE/DOCKET NUMBER: 6362-9383D
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 619-238-0999
/ TELEFAX: 619-238-0062
/ INFORMATION FOR SEQ ID NO: 36:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 943 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ PS-08-935-105A-36

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Query Match	95.3%	Score 517.5;	DB 4;	Length 943;
Best Local Similarity	82.6%;	Pred. No. 1.1e-54;		
Matches 109:	Conservative	2;	Mismatches 50;	
			Indels 21;	Gaps 1;

QY 100 APDGIIGLQLIN 111
 ||||:||||
 Db 283 APDGILGLQLIN 294

 RESULT 39
 US-09-648-797-36
 Sequence 36, Application US/09548797

```
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-648-797-36

Query Match 95.3%; Score 517.5; DB 4; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQDPGT 39
   |||||||
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKRRNYENLDQLSYDNKRGPKAEKVLQDPGT 222

QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
   |||||||
Db 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282

QY 100 APDGIIGLQLIN 111
   |||||||
Db 283 APDGIIGLQLIN 294

RESULT 40
US-08-231-193A-24
; Sequence 24, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
```

```
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; MOLECULE TYPE: protein
US-08-231-193A-24

Query Match 95.3%; Score 517.5; DB 2; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQDPGT 39
   |||||||
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKRRNYENLDQLSYDNKRGPKAEKVLQDPGT 222

QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
   |||||||
Db 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282

QY 100 APDGIIGLQLIN 111
   |||||||
Db 283 APDGIIGLQLIN 294

RESULT 41
US-08-486-273A-24
; Sequence 24, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
```


; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-24

Query Match 95.3%; Score 517.5; DB 2; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.le-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVDDHGGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
|||||
DB 163 IILLVDDHGGRAAKRLETLLEERESKKNRYENLDQSYDNKRGPKAEKVLQFDPGT 222
|||||
QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 99
|||||
DB 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 282
|||||
QY 100 APDGIIGLQLIN 111
|||||
DB 283 APDGIIGLQLIN 294
|||||

RESULT 42
US-08-480-474-24
; Sequence 24, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-474-24

Query Match 95.3%; Score 517.5; DB 3; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.le-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVDDHGGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
|||||
DB 163 IILLVDDHGGRAAKRLETLLEERESKKNRYENLDQSYDNKRGPKAEKVLQFDPGT 222
|||||
QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 99
|||||
DB 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRY 282
|||||
QY 100 APDGIIGLQLIN 111
|||||
DB 283 APDGIIGLQLIN 294
|||||

RESULT 43
US-08-940-086A-24
; Sequence 24, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400

TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-24

Query Match 95.3%; Score 517.5; DB 3; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
Db 1 IILLVSDHDEGAAKRLTLLERES-----KAEKVLQFDPGT 39
163 IILLVSDHDEGAAKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
Qy 40 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
223 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111
283 APDGIIGLQLIN 294

RESULT 44
US-08-940-035A-24
Sequence 24, Application US/08940035A
Patent No. 6316611
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,035A
FILING DATE: 29-SEPT-97

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-940-035A-24

Query Match 95.3%; Score 517.5; DB 4; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

Qy 1 IILLVSDHDEGAAKRLTLLERES-----KAEKVLQFDPGT 39
163 IILLVSDHDEGAAKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
Qy 40 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
223 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111
283 APDGIIGLQLIN 294

RESULT 45
US-08-935-105A-24
Sequence 24, Application US/08935105A
Patent No. 6376660
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,105A
FILING DATE: 29-SEPT-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-935-105A-24

Query Match 95.3%; Score 517.5; DB 4; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

Qy 1 IILLVSDHDEGAAKRLTLLERES-----KAEKVLQFDPGT 39
163 IILLVSDHDEGAAKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

Qy	40	KNVTALLMEARELEARV	IIILSASDDAATVYRAA	MLNMTGSGYVWL	VGERTSGNALRY	99
Db	223	KNVTALLMEAKELEARV	IIILSASDDAATVYRAA	MLNMTGSGYVWL	VGERTSGNALRY	282
Qy	100	APDGIIGLQLIN	111			
Db	283	APDGIIGLQLIN	294			

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RESULT 46
US-09-648-797-24
; Sequence 24, Application US/09648797
; Patent NO. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-09-648-797-24

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Db      283  APDGIQLQLIN 294

RESULT 47
US-08-231-193A-38
; Sequence 38, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC-ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF INVENTIONS: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-38

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RESULT 48
US-08-486-273A-38
; Sequence 38, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:

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; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-38

Query Match 95.3%; Score 517.5; DB 2; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQDFDPT 39
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRNENLDQLSYDNKRGPKAEKVLQDFDPT 222
QY 40 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRY 99
Db 223 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 49
US-08-480-474-38
; Sequence 38, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
```

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; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-38

Query Match 95.3%; Score 517.5; DB 3; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQDFDPT 39
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRNENLDQLSYDNKRGPKAEKVLQDFDPT 222
QY 40 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRY 99
Db 223 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 50
US-08-940-086A-38
; Sequence 38, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
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; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8400
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-38

Query Match 95.3%; Score 517.5; DB 3; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDEHGAAQKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDDEHGAAQKRLTLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 51
US-08-940-035A-38
; Sequence 38, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8400
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-38
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-38

Query Match 95.3%; Score 517.5; DB 4; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDEHGAAQKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDDEHGAAQKRLTLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 52
US-08-935-105A-38
; Sequence 38, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
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;
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
us-08-935-105A-38

Query Match 95.3%; Score 517.5; DB 4; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDHDEGAAQKRLTLLERES-----KAEKVLFQDPGT 39
DB 163 IILLVSDHDEGAAQKRLTLLERESKSKKNYENLDQLSYDNKRGPKAEKVLFQDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282

QY 100 APDGIIGLQLIN 111
DB 283 APDGIIGLQLIN 294

RESULT 53

us-09-648-797-38
Sequence 38, Application US/09648797
Patent No. 6469142

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/648,797

FILING DATE: 28-Aug-2000

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/940,086A

FILING DATE: 29-SEPT-97

APPLICATION NUMBER: US 08/231,193

FILING DATE: 20-APR-1994

APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24735-9383C

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 450-8400

TELEFAX: (619) 450-8499

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 997 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 38:

us-09-648-797-38

Query Match 95.3%; Score 517.5; DB 4; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDHDEGAAQKRLTLLERES-----KAEKVLFQDPGT 39
DB 163 IILLVSDHDEGAAQKRLTLLERESKSKKNYENLDQLSYDNKRGPKAEKVLFQDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282

QY 100 APDGIIGLQLIN 111
DB 283 APDGIIGLQLIN 294

RESULT 54

US-08-231-193A-32
Sequence 32, Application US/082311193A
Patent No. 5849895

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.

APPLICANT: Ellis, Steven B.

APPLICANT: Liaw, Chen W.

APPLICANT: Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: CA

COUNTRY: U.S.A.

ZIP: 92101-2926

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/231,193A

FILING DATE: 20-APR-1994

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/052,459

FILING DATE: 20-APR-1993

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 6362-9383

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-238-0999

TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 32:

SEQUENCE CHARACTERISTICS:

LENGTH: 854 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-231-193A-32

Query Match 73.7%; Score 400; DB 2; Length 854;

Best Local Similarity 79.8%; Pred. No. 2.4e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGAAQKRLTLLERESKAEKVLFQDPGTKNVTALLMEARELEARVILS 60
DB 163 IILLVSDHDEGAAQKRLTLLERESKAEKVLFQDPGTKNVTALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASEDAAATVYRAAAMLNTGNTNIWKTGPLFKRVLMSS--KYA-DGVGTG 268

RESULT 55

US-08-486-273A-32

; Sequence 32, Application US/08486273A

; Patent No. 5985586

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/486,273A

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 32:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 854 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-486-273A-32

Query Match 73.7%; Score 400; DB 2; Length 854;

Best Local Similarity 79.8%; Pred. No. 2.4e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 60

Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASEDAAATVYRAAAMLNTGNTNIWKTGPLFKRVLMSS--KYA-DGVGTG 268

RESULT 56

US-08-480-474-32

; Sequence 32, Application US/08480474

; Patent No. 6033865

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING

; NUMBER OF SEQUENCES: 54

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,474

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9382B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 32:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 854 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-480-474-32

Query Match

Best Local Similarity 73.7%; Score 400; DB 3; Length 854;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 60

Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASEDAAATVYRAAAMLNTGNTNIWKTGPLFKRVLMSS--KYA-DGVGTG 268

RESULT 57

US-08-940-086A-32

; Sequence 32, Application US/08940086A

; Patent No. 6111091

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/940,086A

; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-32

Query Match 73.7%; Score 400; DB 3; Length 854;
Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDDAATVYRAAAMNMTGNTNIWKTGPLFRKRVLMSS--KYA-DGVTG 268

RESULT 58
US-08-940-035A-32
; Sequence 32, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-32

; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-32

Query Match 73.7%; Score 400; DB 4; Length 854;
Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTVNTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDDAATVYRAAAMNMTGNTNIWKTGPLFRKRVLMSS--KYA-DGVTG 268

RESULT 59
US-08-935-105A-32
; Sequence 32, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-935-105A-32

Query Match 73.7%; Score 400; DB 4; Length 854;

Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNIWKTGPLFKRVLMS--KYA-DGVGTG 268

RESULT 60

US-09-648-797-32
; Sequence 32, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648.797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940.086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231.193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052.449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:

US-09-648-797-32
; Sequence 32, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648.797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940.086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231.193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052.449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:

Query Match 73.7%; Score 400; DB 4; Length 854;
Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNIWKTGPLFKRVLMS--KYA-DGVGTG 268

RESULT 61

US-08-231-193A-30
; Sequence 30, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231.193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052.459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-30

Query Match

Best Local Similarity 79.8%; Score 400; DB 2; Length 870;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
QY 1 IILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNIWKTGPLFKRVLMS--KYA-DGVGTG 268

RESULT 62

US-08-486-273A-30
; Sequence 30, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; ENCODING SAME AND USES THEREFOR

```

RESULT 63
US-08-480-474-30
Sequence 30, Application US/08480474
Patent No. 6033865
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHY
TITLE OF INVENTION: SAME AND USE
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESS: Brown, Martin, Hall
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U. S. A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.

```

RESULT 64
US-08-940-086A-30
; Sequence 30, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499

; INFORMATION FOR SEQ ID NO: 30:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-30

Query Match 73.7%; Score 400; DB 3; Length 870;

Best Local Similarity 79.8%; Pred. No. 2.5e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 60

Db 163 ILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 222

QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASDDAATVYRAAAMLNMTGNTNWKGTPLFRKRLMSS--KYA-DGVTG 268

RESULT 65

US-08-940-035A-30

; Sequence 30, Application US/08940035A

; Patent No. 6316811

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/940,035A

; FILING DATE: 29-SEPT-97

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383E

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 30:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 870 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-940-035A-30

Query Match

73.7%; Score 400; DB 4; Length 870;

Best Local Similarity 79.8%; Pred. No. 2.5e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 60

Db 163 ILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 222

QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASDDAATVYRAAAMLNMTGNTNWKGTPLFRKRLMSS--KYA-DGVTG 268

RESULT 66

US-08-935-105A-30

; Sequence 30, Application US/08935105A

; Patent No. 6376660

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/935,105A

; FILING DATE: 29-SEPT-97

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 30:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 870 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-935-105A-30

Query Match

73.7%; Score 400; DB 4; Length 870;

Best Local Similarity 79.8%; Pred. No. 2.5e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 60

Db 163 ILLVSDHGGRAAQRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 222

QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASDDAATVYRAAAMLNMTGNTNWKGTPLFRKRLMSS--KYA-DGVTG 268

RESULT 67

US-09-648-797-30

; Sequence 30, Application US/09648797

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; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
;
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
;
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-648-797-30

Query Match 73.7%; Score 400; DB 4; Length 870;
Best Local Similarity 79.8%; Pred. No. 2.5e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDDHGEGRAAKRLETLLEERESKAEKVLQDFDPTGKNTVNTALLMEARELEARVILLS 60
DB 163 IILLVSDDHGEGRAAKRLETLLEERESKAEKVLQDFDPTGKNTVNTALLMEARELEARVILLS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
DB 223 ASEDAAATVYRAAAMNMTGNTNINKTGPLFKRVLMS--KYA-DGVGTG 268

RESULT 68
US-08-231-193A-34
; Sequence 34, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-231-193A-34

Query Match 73.7%; Score 400; DB 2; Length 908;
Best Local Similarity 79.8%; Pred. No. 2.6e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDDHGEGRAAKRLETLLEERESKAEKVLQDFDPTGKNTVNTALLMEARELEARVILLS 60
DB 163 IILLVSDDHGEGRAAKRLETLLEERESKAEKVLQDFDPTGKNTVNTALLMEARELEARVILLS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
DB 223 ASEDAAATVYRAAAMNMTGNTNINKTGPLFKRVLMS--KYA-DGVGTG 268

RESULT 69
US-08-486-273A-34
; Sequence 34, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, DNA
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
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; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-34

Query Match 73.7%; Score 400; DB 2; Length 908;
Best Local Similarity 79.8%; Pred. No. 2.6e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHDEGRAAKRLETLLEERESKAEKVLQFDPGTKNVTALLMEARELEARVILS 60
Db 163 ILLVSDHDEGRAAKRLETLLEERESKAEKVLQFDPGTKNVTALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGLIG 106
Db 223 ASEDAAATVYRAAAMNMTGNTNWKGTPLFKRVLMS--KYA-DGVTG 268

RESULT 70
-US-08-480-474-34
; Sequence 34, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-34

Query Match 73.7%; Score 400; DB 3; Length 908;
Best Local Similarity 79.8%; Pred. No. 2.6e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHDEGRAAKRLETLLEERESKAEKVLQFDPGTKNVTALLMEARELEARVILS 60
Db 163 ILLVSDHDEGRAAKRLETLLEERESKAEKVLQFDPGTKNVTALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGLIG 106
Db 223 ASEDAAATVYRAAAMNMTGNTNWKGTPLFKRVLMS--KYA-DGVTG 268

RESULT 71
-US-08-940-086A-34
; Sequence 34, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-34

Query Match 73.7%; Score 400; DB 3; Length 908;
Best Local Similarity 79.8%; Pred. No. 2.6e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHDEGRAAKRLETLLEERESKAEKVLQFDPGTKNVTALLMEARELEARVILS 60
Db 163 ILLVSDHDEGRAAKRLETLLEERESKAEKVLQFDPGTKNVTALLMEARELEARVILS 222
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TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-27A-16

Query Match 69.9%; Score 379.5; DB 2; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGEGRRAQKRLTLLERES-----KAEKVLQFDPGT 39
DB 65 IILLVSDHGEGRRAQKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
QY 40 KNYTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
DB 125 KNYTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 183
QY 97 LRYAPDGIIG 106
DB 184 -KYA-DGVGTG 191

RESULT 77
US-08-480-474-16
Sequence 16, Application US/08480474
Patent No. 6033865
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
TITLE OF INVENTION: SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,474
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9382B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-474-16

Query Match 69.9%; Score 379.5; DB 3; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGEGRRAQKRLTLLERES-----KAEKVLQFDPGT 39
DB 65 IILLVSDHGEGRRAQKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
QY 40 KNYTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
DB 125 KNYTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 183
QY 97 LRYAPDGIIG 106
DB 184 -KYA-DGVGTG 191

RESULT 78
US-08-940-086A-16
Sequence 16, Application US/08940086A
Patent No. 6111091
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-16

Query Match 69.9%; Score 379.5; DB 3; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGEGRRAQKRLTLLERES-----KAEKVLQFDPGT 39
DB 65 IILLVSDHGEGRRAQKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
QY 40 KNYTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
DB 125 KNYTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 183

Db 125 KNTVALLMEAKELEARVILLSASEDDAATVYRAAAMLNMTGNTNIWKTGPKFVKRLMSS- 183

QY 97 LRYAPDGIIG 106
:|| ||: |

Db 184 -KYA-DGVTG 191

RESULT 79
US-08-940-035A-16
; Sequence 16, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 777 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-035A-16

Query Match 69.9%; Score 379.5; DB 4; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
|||||
Db 65 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
|||||

QY 40 KNTVALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Db 125 KNTVALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGNTNIWKTGPKFVKRLMSS- 183

QY 97 LRYAPDGIIG 106
:|| ||: |

Db 184 -KYA-DGVTG 191

RESULT 80
US-08-935-105A-16
; Sequence 16, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 777 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-935-105A-16

Query Match 69.9%; Score 379.5; DB 4; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
|||||

Db 65 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
|||||

QY 40 KNTVALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Db 125 KNTVALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGNTNIWKTGPKFVKRLMSS- 183

QY 97 LRYAPDGIIG 106
:|| ||: |

Db 184 -KYA-DGVTG 191

RESULT 81
US-09-648-797-16
; Sequence 16, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-28

Query Match 69.9%; Score 379.5; DB 2; Length 875;
Best Local Similarity 66.9%; Pred. No. 8.1e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLTLEERES-----KAEKVLQDPDGT 39
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DB 163 IILLVSDHDEGRAAKRLTLEERESKSKRNYENLDQLSYDNKRGPKRAEKVLQDPDGT 222
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVVLVG---EREISGNA 96
|||||
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTKGFLFKRVLMS- 281
QY 97 LRYAPDGIIG 106
:|| ||: |
DB 282 -KYA-DGVTG 289

RESULT 84
US-08-480-474-28
; Sequence 28, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-474-28

Query Match 69.9%; Score 379.5; DB 3; Length 875;
Best Local Similarity 66.9%; Pred. No. 8.1e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLTLEERES-----KAEKVLQDPDGT 39
|||||
DB 163 IILLVSDHDEGRAAKRLTLEERESKSKRNYENLDQLSYDNKRGPKRAEKVLQDPDGT 222
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVVLVG---EREISGNA 96
|||||
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTKGFLFKRVLMS- 281
QY 97 LRYAPDGIIG 106
:|| ||: |
DB 282 -KYA-DGVTG 289

RESULT 85
US-08-940-086A-28
; Sequence 28, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

Db 282 -KYA-DGVTG 289

RESULT 88
US-09-648-797-28
; Sequence 28, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 28:

US-09-648-797-28
Query Match 69.9%; Score 379.5; DB 4; Length 875;
Best Local Similarity 66.9%; Pred. No. 8.1e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAQKVLQFDPGT 39
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96

QY 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 89
US-08-231-193A-26

; Sequence 26, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 891 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-231-193A-26

Query Match 69.9%; Score 379.5; DB 2; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAQKVLQFDPGT 39
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96

QY 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 90
US-08-486-273A-26
; Sequence 26, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-26

Query Match 69.9%; Score 379.5; DB 3; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGAAQKRLTLLERES-----KAEKVLQFDPGT 39
DB 163 IILLVSDHDEGAAQKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
DB 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS-- 281

QY 97 LRYAPDGIIG 106
DB 282 -KYA-DGVTG 289

RESULT 93
US-08-940-035A-26
; Sequence 26, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESS: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-26

Query Match 69.9%; Score 379.5; DB 4; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGAAQKRLTLLERES-----KAEKVLQFDPGT 39
DB 163 IILLVSDHDEGAAQKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
DB 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS-- 281

QY 97 LRYAPDGIIG 106
DB 282 -KYA-DGVTG 289

RESULT 94
US-08-935-105A-26
; Sequence 26, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESS: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-935-105A-26

Query Match 69.9%; Score 379.5; DB 4; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHGGRAAQRLETLLEERES-----KAEKVLFQDPGT 39
|||||
Db 163 IILLVSDHGGRAAQRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLFQDPGT 222
|||||

Qy 40 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||
Db 223 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Qy 97 LRYAPDGIIG 106
:|||
Db 282 -KYA-DGVTG 289

RESULT 95
US-09-648-797-26
; Sequence 26, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehtman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-648-797-26

Query Match 69.9%; Score 379.5; DB 4; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHGGRAAQRLETLLEERES-----KAEKVLFQDPGT 39
|||||

Db 163 IILLVSDHGGRAAQRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLFQDPGT 222
|||||

Qy 40 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Db 223 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Qy 97 LRYAPDGIIG 106
:|||
Db 282 -KYA-DGVTG 289

RESULT 96
US-08-231-193A-40
; Sequence 40, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-40

Query Match 69.9%; Score 379.5; DB 2; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHGGRAAQRLETLLEERES-----KAEKVLFQDPGT 39
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Db 163 IILLVSDHGGRAAQRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLFQDPGT 222
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Qy 40 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
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Db 223 KNTALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
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Qy 97 LRYAPDGIIG 106
:|||
Db 282 -KYA-DGVTG 289


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RESULT 97
US-08-486-273A-40
; Sequence 40, Application US/08486273A
; Patent No. 598586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-40

Query Match 69.9%; Score 379.5; DB 2; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 ILLVSDHDEGAAKRLTLEERES-----KAEKVLQDPDGT 39
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Qy 40 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
Db 223 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGNTNWKTPLEKRVLMSS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 98
US-08-480-474-40
; Sequence 40, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
```

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; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-474-40

Query Match 69.9%; Score 379.5; DB 3; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 ILLVSDHDEGAAKRLTLEERES-----KAEKVLQDPDGT 39
Db 163 ILLVSDHDEGAAKRLTLEERESKSKKNYENLDQLSYDNKRGPKAEKVLQDPDGT 222
Qy 40 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
Db 223 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGNTNWKTPLEKRVLMSS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 99
US-08-940-086A-40
; Sequence 40, Application US/08940086A
; Patent No. 611091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 63
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940.086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231.193
; FILING DATE: 20-APR-1994

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052.449
; FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER:

; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 450-8400

; TELEFAX: (619) 450-8499

INFORMATION FOR SEQ ID NO:

; INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:

; LENGTH: 929 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-940-086A-40

Query Match 69.9%; Score 379.5; DB 3; Length 929;

Best Local Similarity 66.9%; Pred. No. 8.8e-38;

Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLETLEERES-----KAEKVLQFDPGT 39

Db 163 IILLVSDHDEGRAAKRLETLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96

Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNINKTGPLFKRVLMS- 281

QY 97 LRYAPDGIIG 106

Db 282 -KYA-DGVTG 289

RESULT 100

US-08-940-035A-40

; Sequence 40, Application US/08940035A

; Patent No. 6316611

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/940.035A

; FILING DATE: 29-SEPT-97

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PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231.193

; FILING DATE: 20-APR-1994

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052.449

; FILING DATE: 20-APR-1993

CLASSIFICATION:

; CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383E

TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO:

; INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:

; LENGTH: 929 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-940-035A-40

Query Match 69.9%; Score 379.5; DB 4; Length 929;

Best Local Similarity 66.9%; Pred. No. 8.8e-38;

Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLETLEERES-----KAEKVLQFDPGT 39

Db 163 IILLVSDHDEGRAAKRLETLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96

Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNINKTGPLFKRVLMS- 281

QY 97 LRYAPDGIIG 106

Db 282 -KYA-DGVTG 289

Search completed: March 31, 2003, 11:47:36

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